

**IOWA COMMERCIAL APPLICATOR CERTIFICATION
CONTINUING INSTRUCTIONAL COURSE (CIC) PROGRAM AGENDA
(2012, 2013, 2014)**

(”Pesticide stewardship” includes IPM, resistance management, scouting, economic and/or aesthetic thresholds, pesticide selection practices, reduced risk alternatives, conservation practices, & best management practices.)*

Category 1 - Ag Pest Control (1A, 1B, 1C, 1D)

Program 1 (2012)

1. Equipment calibration, safe application techniques, and drift
2. Pests, pest management and pesticides
3. Pesticide labels
4. Pesticide stewardship

Program 2 (2013)

1. Safe handling and storage of pesticides and PPE
2. Pests, pest management and pesticides
3. Laws and regulations
4. Preharvest intervals and restricted entry interval
5. Pesticide stewardship

Program 3 (2014)

1. Effects of pesticides on groundwater and other non-target sites, including soil and water problems and the potential for environmental contamination
2. Pests, pest management and pesticides
3. Phytotoxicity
4. Pesticide stewardship

Category 1 - Animal Pest Control (1E)

Program 1 (2012)

1. Equipment calibration, safe application techniques and drift
2. Pests, pest management and pesticides
3. Pesticide labels
4. Relative hazards according to age, application techniques, formulation, stress, and extent of treatment

Program 2 (2013)

1. Safe handling and storage of pesticides and PPE
2. Pests, pest management and pesticides
3. Laws and regulations
4. Pesticide stewardship

Program 3 (2014)

1. Effects of pesticides on groundwater and other non-target sites
2. Pests, pest management and pesticides
3. Pesticide toxicity and residue potential
4. Pesticide stewardship

Category 2 – Forest Pest Control

Program 1 (2012)

1. Equipment calibration and safe application techniques (including proper use of specialized equipment)
2. Pests, pest management and pesticides (in forests, forest nurseries and seed production areas)
3. Pesticide labels
4. Pesticide stewardship

Program 2 (2013)

1. Safe handling and storage of pesticides and PPE
2. Pests, pest management and pesticides (in forests, forest nurseries and seed production areas)
3. Laws and regulations
4. Pesticide stewardship

Program 3 (2014)

1. Effects of pesticides on groundwater and other nontarget sites
2. Pests, pest management and pesticides (in forests, forest nurseries and seed production areas)
3. Phytotoxicity
4. Pesticide stewardship

Category 3 – Ornamental, Turf and Greenhouse (30, 3T, 3G)

Program 1 (2012)

1. Equipment calibration, safe application techniques and drift (including application methods which will minimize or prevent hazards to humans, pets and other animals)
2. Pests, pest management, and pesticides
3. Pesticide labels
4. Pesticide stewardship

Program 2 (2013)

1. Safe handling and storage of pesticides and PPE
2. Pests, pest management and pesticides
3. Laws and regulations
4. Pesticide stewardship

Program 3 (2014)

1. Effects of pesticides on groundwater and other nontarget sites and pesticide persistence
2. Pests, pest management, and pesticides
3. Phytotoxicity
4. Pesticide stewardship

Category 4 – Seed Treatment

Program 1 (2012)

1. Equipment calibration and safe application techniques
2. Pests, pest management and pesticides (including types of seeds requiring chemical protection)
3. Pesticide labels (including seed coloration, carriers and surface active agents which influence pesticide binding and effect on germination)
4. Pesticide stewardship

Program 2 (2013)

1. Safe handling and storage of pesticides and PPE (hazards associated with handling, sorting, mixing, misuse of treated seed-food or feed, disposal of unused seed)
2. Pests, pest management and pesticides
3. Laws and regulations
4. Pesticide stewardship

Program 3 (2014)

1. Effects of pesticides on groundwater and other nontarget sites
2. Pests, pest management, and pesticides
3. Pesticide stewardship

Category 5 – Aquatic Pest control

Program 1 (2012)

1. Equipment calibration, safe application techniques and drift (including secondary effects which can be caused by improper application rates, incorrect formulations and faulty application; principles of limited area application)
2. Pests, pest management and pesticides
3. Pesticide labels

Program 2 (2013)

1. Safe handling and storage of pesticides and PPE
2. Pests, pest management and pesticides
3. Laws and regulations

Program 3 (2014)

1. Effects of pesticides on groundwater and other nontarget sites (including various water use situations and potential for downstream effects; potential pesticide effects on plants, fish, birds and beneficial organisms)
2. Pests, pest management and pesticides
3. Pesticide stewardship

Category 6 – Right-of-Way

Program 1 (2012)

1. Equipment calibration, safe application techniques and drift (including knowledge of the nature of pesticides within right-of-way and impact of their application activities in adjacent areas and communities)
2. Pests, pest management and pesticides (including wide variety of environments and identification of target organisms)
3. Pesticide labels

Program 2 (2013)

1. Safe handling and storage of pesticides and PPE
2. Pests, pest management and pesticides (including wide variety of environments and identification of target organisms)
3. Laws and regulations

Program 3 (2014)

1. Effects of pesticides on groundwater and other nontarget sites (including problems with runoff, drift and excessive foliage destruction)
2. Pests, pest management and pesticides (including wide variety of environments and identification of target organisms)
3. Phytotoxicity
4. Pesticide stewardship

Category 7 – Industrial, Institutional, Structural & Health Related (7A, 7B, 7C, 7D, 7E, 7F)

Program 1 (2012)

1. Equipment calibration, safe application techniques and drift (including methods of application that avoid contamination of food, damage, and contamination of habitat)
2. Pests, pest management and pesticides (including wide variety of pest life cycles)
3. Pesticide labels (including types of formulations)

Program 2 (2013)

1. Safe handling and storage of pesticides and PPE (including exposure to people and pets)
2. Pests, pest management and pesticides (including wide variety of pest life cycles)
3. Laws and regulations

Program 3 (2014)

1. Effects of pesticides on groundwater and other non-target sites
2. Pests, pest management and pesticides (including wide variety of pest life cycles)
3. Specific factors which may lead to a hazardous condition, including continuous exposure in various situations involving human exposure (including babies, children, pregnant women and elderly)
4. Pesticide Stewardship

Category 8 – Public Health

Program 1 (2012)

1. Equipment calibration, safe application techniques and drift
2. Pests, pest management and pesticides (including vector disease transmission, great variety of environments ranging from streams to inside of buildings, nonchemical control methods)
3. Pesticide labels

Program 2 (2013)

1. Safe handling and storage of pesticides and PPE
2. Pests, pest management and pesticides (including vector disease transmission, great variety of environments ranging from streams to inside of buildings, nonchemical control methods)
3. Laws and regulations

Program 3 (2014)

1. Effects of pesticides on groundwater and other nontarget sites
2. Pests, pest management and pesticides (including vector disease transmission, great variety of environments ranging from streams to inside of buildings, nonchemical control methods)
3. Pesticide stewardship

Category 9 – Regulatory Pest Control

Program 1 (2012)

1. Equipment calibration, safe application techniques and drift
2. Pests, pest management and pesticides (including factors influencing introduction, spread, and population dynamics of relevant pests)
3. Pesticide labels

Program 2 (2013)

1. Safe handling and storage of pesticides and PPE
2. Pests, pest management and pesticides (including factors influencing introduction, spread, and population dynamics of relevant pests)
3. Laws and regulations

Program 3 (2014)

1. Effects of pesticides on groundwater and other non-target sites (including environmental impact of pesticides used in control programs)
2. Pests, pest management and pesticides (including factors influencing introduction spread, and population dynamics of relevant pests)
3. Pesticide stewardship

Category 10 - Demonstration and Research

Program 1 (2012)

1. Equipment calibration and safe application techniques and drift
2. Pests, pest management and pesticides
3. Pesticide labels
4. Pesticide stewardship

Program 2 (2013)

1. Safe handling and storage of pesticides and PPE
2. Pests, pest management and pesticides
3. Laws and regulations
4. Preharvest intervals and restricted entry intervals
5. Pesticide stewardship

Program 3 (2014)

1. Effects of pesticides on groundwater and other non-target sites, including soil and water problems and the potential for environmental contamination
2. Pests, pest management and pesticides
3. Phytotoxicity or other unique pesticide characteristics
4. Pesticide stewardship

Category 11 - Aerial Application

This category will follow the same standards listed in Category 1 - Ag Pest Control and must include agricultural weed, insect and disease control under the "Pests and pest management" topic.

Category H - Pesticide Handler

Program 1 (2012)

1. Calibrating dispensing systems or use of measuring devices
2. Recognizing pesticide poisoning symptoms
3. Interpreting pesticide labels
4. Formulation-specific mixing procedures

Program 2 (2013)

1. Safe handling and storage of pesticides
2. PPE
3. Interpreting pesticide labels
4. Laws and regulations
5. Restricted entry intervals

Program 3 (2014)

1. Effects of pesticides on groundwater and other non-target sites, including soil and water problems and the potential for environmental contamination
2. Responding to spills and accidents
3. Secondary containment requirements
4. Pesticide container handling and disposal
5. Nontarget injury and community problems associated with pesticide handling facilities